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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

CHEN, TSE W

ART UNIT	PAPER NUMBER
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2116

DATE MAILED: 12/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/753,326

Applicant(s)

KEDIA ET AL.

Examiner

Tse Chen

Art Unit

2116

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 29-56 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 29-56 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on September 20, 2005 has been entered.

### ***Claim Objections***

2. Claims 31-32, 38-40, 44, 55 are objected to because of the following informalities:
- As per claims 31 and 32, “method of Claim 29” should be “method of Claim 30”.
  - As per claim 38, “a low-power subsystem... the processor providing access...” should be “a low-power subsystem... the low power processor providing access...”
  - As per claim 39, “wherein the processes accesses...” should be “wherein the low power processor accesses...”
  - As per claim 40, “wherein the computer system memory device...” should be “wherein the computer system memory...”
  - As per claim 44, “claim 38” should be “claim 39”.
  - As per claim 55, “user input device” should be “user input unit”; “processor” should be “low power processor”.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

Art Unit: 2116

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 29, 33-34, 36-38, 43, 45-51, 54-56 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ditzik, US Patent 5983073, in view of Kim, US Patent 6044473.

5. In re claim 29, Ditzik discloses a method comprising:

- Transitioning a CPU [38] of a computer system [100] into a power mode [80], the computer system having a memory [40] [col.9, l.55 – col. 10, l.10; col.13, ll.1-30; wireless data communication mode 80 operates with closed configuration].
- Activating a low power subsystem [14] when the CPU enters the power mode [80 associated with closed configuration], the low power subsystem including a low power processor [inherently, some processor in the broadest interpretation is needed in order to process data communication], an external interface [inherently, some external interface in the broadest interpretation is needed in order to receive wireless communication] an a low power memory [[inherently, some memory is needed in order to perform data communication] [col.8, ll.4-58; col.9, l.55 – col. 10, l.10; col.13, ll.1-30].
- Independent of the CPU, using the low power processor of the low power subsystem to access data contained within the computer system memory [col.8, ll.4-58; col.9, l.55 – col. 10, l.10; col.13, ll.1-30; user interacts with 14 independent of 38 to access data].
- Providing the accessed data through the external interface of the low-power subsystem [col.8, ll.4-58; col.9, l.55 – col. 10, l.10; col.13, ll.1-30].

Art Unit: 2116

6. Ditzik did not disclose explicitly that the power mode associated with closed configuration is a low-power mode.

7. Kim discloses transitioning a CPU of a computer system [portable notebook computer] into a low-power mode [sleep mode associated with CPU in closed configuration] [col.1, ll.23-41].

8. It would have been obvious to one of ordinary skill in the art, having the teachings of Ditzik and Kim before him at the time the invention was made, to modify the computer system taught by Ditzik to include the very well known low-power mode taught by Kim, in order to obtain the claimed apparatus. One of ordinary skill in the art would have been motivated to make such a combination as it provides a way to reduce power consumption [Kim: col.1, ll.23-41; col.2, l.66 – col.3, l.3; computer system transitions CPU to sleep mode to reduce power consumption when in closed configuration since computer system functions are not being used].

9. As to claim 33, Ditzik discloses, comprising accessing data from a network [external wide area communications network] via the external interface of the low-power subsystem [14] [col.5, ll.52-59].

10. As to claim 34, Ditzik discloses, wherein accessing data from the network comprises accessing data from the network using a wireless interface [e.g., cdma] [col.5, ll.52-59; col.8, ll.4-58].

11. As to claim 36, Ditzik discloses, wherein providing the accessed data through the external interface comprises presenting the data accessed to a user via a display [fig.3c] of the external interface of the low power subsystem [col.13, ll.24-30; display graphics].

Art Unit: 2116

12. As to claim 37, Ditzik discloses, wherein providing the accessed data through the external interface comprises presenting the data accessed to a user via an audio medium [14a] of the external interface of the low-power subsystem [col.8, ll.4-58].

13. In re claim 38, Ditzik discloses an apparatus [fig.3] comprising:

- A computer system [100] having a central processing unit [38], a system memory [40], a mass storage device [42], and a user interface [e.g., 9], the computer system having a power mode [80] [col.9, l.55 – col. 10, l.10; col.13, ll.1-30; wireless data communication mode 80 operates with closed configuration].
- A low-power subsystem [14] in operation when the computer system enters the power mode [14 operates in wireless data communication mode 80 in closed configuration], the low power subsystem having a low power processor [inherently, some processor in the broadest interpretation is needed in order to process data communication], a low power subsystem memory [inherently, some memory is needed in order to perform data communication] and an external interface independent of the computer system [inherently, some external interface in the broadest interpretation is needed in order to receive wireless communication], the low power processor providing access to the computer system when the computer system is in the power mode [80 associated with closed configuration] and the external interface providing data accessed from the computer system externally [col.8, ll.4-58; col.9, l.55 – col. 10, l.10; col.13, ll.1-30].

14. Ditzik did not disclose explicitly that the power mode associated with closed configuration is a low-power mode.

Art Unit: 2116

15. Kim discloses a computer system [portable notebook computer] having a low-power mode [col.1, ll.23-41; low power consumption mode associated with closed configuration].

16. It would have been obvious to one of ordinary skill in the art, having the teachings of Ditzik and Kim before him at the time the invention was made, to modify the computer system taught by Ditzik to include the very well known low-power mode taught by Kim, in order to obtain the claimed apparatus. One of ordinary skill in the art would have been motivated to make such a combination as it provides a way to reduce power consumption [Kim: col.1, ll.23-41; col.2, l.66 – col.3, l.3; computer system transitions to low power mode to reduce power consumption when in closed configuration since computer system functions associated with display and keyboard can't be accessed by user].

17. As to claim 43, Ditzik discloses, wherein the low power subsystem external interface comprises a wireless interface [e.g., cdma] to connect with a local area network [col.5, ll.52-59; col.8, ll.4-58].

18. As to claim 45, Ditzik discloses, wherein the external interface of the low power subsystem comprises a wireless interface [e.g., cdma] to receive verbal instructions from a user interface [14c] [col.5, ll.52-59; col.8, ll.4-58].

19. As to claim 46, Ditzik discloses, wherein the user interface comprises an audio headset [earset unit 34] to receive audio data transmitted from the wireless interface [col.8, ll.4-58; 34 operates on cdma compatible with 14].

20. As to claim 47, Ditzik discloses, wherein the low-power subsystem [14] external interface comprises an interface [e.g., CDMA] to transmit data to a cellular phone [fig.7; col.5, ll.52-59; col.12, ll.50-67; 14 transmits data to other cellular phones operating in CDMA].

Art Unit: 2116

21. As to claim 48, Ditzik discloses, wherein the computer system comprises a main screen [4] and the low power subsystem comprises a miniature display screen [fig.3c] and wherein the low power subsystem including the miniature display screen is activated when the main screen is closed [col.8, ll.4-58; col.9, l.55 – col. 10, l.10; col.13, ll.1-30].

22. As to claim 49, Ditzik discloses, wherein the computer system comprises stored multimedia data, wherein the low power subsystem accesses the stored multimedia data and wherein the low power subsystem presents the multimedia data to a user through the external interface [fig.3c] [col.13, ll.24-30; e.g., display graphics on screen].

23. As to claim 50, Ditzik discloses, wherein the low power subsystem presents the multimedia data to the user over a miniature display screen [fig.3c] of the external interface [col.13, ll.24-30; display graphics on screen].

24. In re claim 51, Ditzik discloses a low-power subsystem [14] comprising:

- A miniature display screen [fig.3c].
- A user input unit [14b].
- A low power subsystem memory [col.8, ll.4-58; inherent to process data as data can't be stored in thin air].
- A low power processor [inherent for data communication] coupled to the miniature display screen [to display data], the user input unit [to process input], and to the low power subsystem memory [to process data], the low power processor providing access for the miniature display screen and the user input unit to a connected [via wireless] computer system [100] when the connected computer system is in a power mode [14



operates in wireless data communication mode 80 in closed configuration] [col.8, ll.4-58; col.9, l.55 – col. 10, l.10; col.13, ll.1-30].

25. Ditzik did not disclose explicitly that the power mode associated with closed configuration is a low-power mode.

26. Kim discloses a computer system [portable notebook computer] having a low-power mode [col.1, ll.23-41; low power consumption mode associated with closed configuration].

27. It would have been obvious to one of ordinary skill in the art, having the teachings of Ditzik and Kim before him at the time the invention was made, to modify the computer system taught by Ditzik to include the very well known low-power mode taught by Kim, in order to obtain the claimed low power subsystem. One of ordinary skill in the art would have been motivated to make such a combination as it provides a way to reduce power consumption [Kim: col.1, ll.23-41; col.2, l.66 – col.3, l.3; computer system transitions to low power mode to reduce power consumption when in closed configuration since computer system functions associated with display and keyboard can't be accessed by user].

28. As to claim 54, Ditzik discloses, comprising a wireless interface [e.g., cdma] to connect to an external network [external wide area communications network] [col.5, ll.52-59; col.8, ll.4-58].

29. As to claim 55, Ditzik discloses, comprising a wireless interface [e.g., cdma] to connect the user input unit [of network] and the low power processor [col.12, ll.50-67; col.13, ll.20-30; bi directional communication from units of the network to 14].

Art Unit: 2116

30. As to claim 56, Ditzik discloses, wherein the user input unit comprises a wireless user interface [e.g., cdma] to receive verbal commands from a user [via 14c] [col.5, ll.52-59; col.8, ll.4-58].

31. Claims 30-32, 39-42, 44, 52-53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ditzik and Kim as applied to claims 29, 38 and 51 above, and further in view of Kabelshkov, US Patent 6108663.

32. Ditzik and Kim taught each and every limitation as discussed above in reference to claims 29, 38 and 51. Ditzik and Kim did not discuss the details of accessing data.

33. In re claim 30, Kabelshkov discloses a method wherein accessing data comprises accessing data through a shared database [relational database of 31] of a low power subsystem [30], the method further comprising storing at least a partial copy of data accessed from a computer system [10] memory [34] in the shared database [col.4, ll.36-61].

34. In re claim 39, Kabelshkov discloses a shared database [relational database of 31] coupled to a computer system [10] and to a low-power subsystem [30] and wherein a low power processor [of 30] accesses the computer system through the shared database [col.4, ll.36-61].

35. In re claim 52, Kabelshkov discloses, a processor [of 30] provides access to the computer system [10] through a shared database [relational database of 31], the shared database being a part of a low power subsystem [fig.2; col.4, ll.36-61].

36. It would have been obvious to one of ordinary skill in the art, having the teachings of Ditzik, Kim and Kabelshkov before him at the time the invention was made, to incorporate the teachings of Kabelshkov as the shared database taught by Kabelshkov is well known to be suitable for use in the system of Ditzik and Kim. One of ordinary skill in the art would have been

Art Unit: 2116

motivated to make such a combination as it provides an efficient way to access data

[Kabelshkov: col.4, ll.50-56].

37. As to claim 31, Kabelshkov discloses, wherein accessing data contained within the computer system memory comprises accessing data contained within a disk drive unit [34] [col.4, ll.36-61].

38. As to claims 32 and 42, Ditzik discloses, wherein the data contained in the shared database includes multimedia data [col.1, ll.8-17].

39. As to claim 40, Ditzik discloses, wherein the computer system memory comprises a memory [40] coupled to the CPU, and wherein the computer system mass storage device comprises a disk drive unit [42] coupled to the CPU [fig.7]. Examiner hereby takes Official Notice that it is very well known in the art to have a RAM coupled to the CPU in order to read and write data during processing.

40. As to claim 41, Kabelshkov discloses wherein the shared database is coupled to the disk drive unit [fig.2], the shared database to store at least a partial copy of data stored on the disk drive unit [col.4, ll.36-61].

41. As to claim 44, Ditzik discloses, wherein the low power subsystem comprises a video display [fig.3c] to display data from a database [col.13, ll.24-30; display graphics].

42. As to claim 53, Kabelshkov discloses wherein the shared database is coupled to the computer system [fig.2] to store at least a partial copy of data stored in the computer system [col.4, ll.36-61].

Art Unit: 2116

43. Claim 35 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ditzik and Kim as applied to claims 33 above, and further in view of Chen et al., U.S. Patent 5590197, hereinafter Chen.

44. Ditzik and Kim disclose every limitation as discussed above in reference to claim 33.

Ditzik and Kim did not disclose explicitly the network being an electronic store.

45. Chen discloses a network [fig.1] as an electronic store [merchant processor] allowing an electronic purchase [col.4, ll.46-50].

46. It would have been obvious to one of ordinary skill in the art, having the teachings of Chen, Ditzik, and Kim before him at the time the invention was made, to modify the system as taught by Ditzik and Kim to include the network as taught by Chen, in order to obtain an electronic store allowing an electronic purchase. One of ordinary skill in the art would have been motivated to make such a combination as it provides a way to extend the computer system's capabilities [Ditzik: col.2, l.33 -- col.3, l.22].

#### ***Response to Arguments***

47. Applicant's arguments filed on September 20, 2005 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tse Chen whose telephone number is (571) 272-3672. The examiner can normally be reached on Monday - Friday 9AM - 5PM.

Art Unit: 2116

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynne Browne can be reached on (571) 272-3670. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tse Chen  
December 8, 2005

  
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